

TABLE OF  
INTERIOR BEAMS

	MOMENTS (kip Fts.)		REACTIONS (kips)	
	0.4 Span	Pier	Abut.	Pier
Dead Load	523.00	-1134.90	32.58	116.74
Superimposed Dead Load	281.90	-369.32	15.79	47.98
Live Load	807.41	-560.10	49.80	72.35
Impact	187.50	-130.00	11.61	16.81
TOTALS	1799.81	-2194.32	109.78	253.88

\* ELEVATION TOP OF WEB

Beam No's.	± Brq. S. Abut.	± Splice #1	± Pier	± Splice #2	± Brq. N. Abut.
1 or 10	517.812	518.920	519.232	519.595	520.504
2 or 9	517.936	519.043	519.355	519.718	520.628
3 or 8	518.058	519.165	519.477	519.840	520.750
4 or 7	518.180	519.288	519.600	520.963	520.872
5 or 6	518.302	519.410	519.722	520.085	520.994

\* For fabrication only.

FRAMING PLAN

STRUCTURAL STEEL  
BILL OF MATERIALS

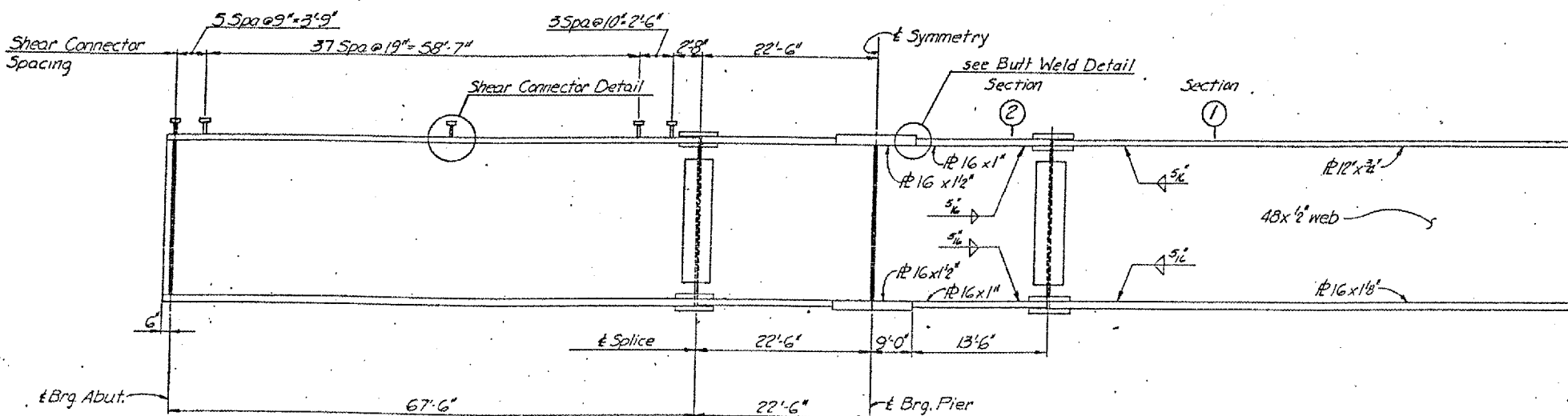
Girders	335,530
Cross Frames & Conn.	21,210
Splices	10,600
Stiffeners	3,300
Expansion Guards	2,880
* Total Structural Steel	385,020

\* Includes 11,500 Lbs. for bearings  
Shear Connectors = 2760 Each

PROPERTIES

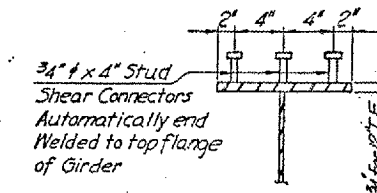
	STEEL SECTION		
	Section (1)	Section (2)	At Pier
$I_s$ (in <sup>4</sup> )	18,562.67	22,666.67	32,868.00
$S_{Ts}$ (in <sup>3</sup> )	625.02	907.75	1,288.44
$S_{Bs}$ (in <sup>3</sup> )	920.10	907.75	1,288.44
COMPOSITE SECTION			
$I_c$ (in <sup>4</sup> )	49,542.70		
$S_{Tc}$ (in <sup>3</sup> )	5,236.37		
$S_{Bc}$ (in <sup>3</sup> )	1,227.02		

$I_s$  = Moment of inertia, Steel Section  
 $S_{Ts}$  = Sec. Mod. top steel section  
 $S_{Bs}$  = Sec. Mod. bottom steel section  
 $I_c$  = Moment of inertia Composite Section  
 $S_{Tc}$  = Sec. Mod. top comp. section  
 $S_{Bc}$  = Sec. Mod. bottom comp. section

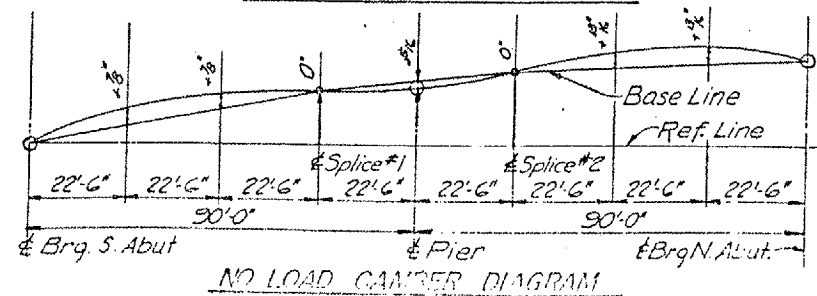
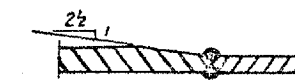


TYPICAL GIRDER ELEVATION

SHEAR CONNECTOR DETAIL



BUTT WELD DETAIL



NO LOAD CAMBER DIAGRAM

FRAMING PLAN

BRIDGE NO. 3  
041-0069  
FOR INFORMATION ONLY